### SECRET OF CHANGING METALS DISCOVERED

Transmutation Is Accomplished by Dr. G. L. Wendt and C. E. Iron.

LONG SEARCH ENDED

Tungsten Transformed Into Helium Through Intense Heat.

VAST FIELD IS OPENED

Noter than the sun or than the hottest star known to astronomers. The heat of the motion steel is about 2,000 degrees, the temperature of the sun is about 3,000 degrees, and of some of the hottest stars is about 30,000 degrees.

But these scientists, by means of against Italy, anything especially that is about 30,000 degrees.

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But these scientists which compose the hottest known spot in the universe.

"Astronomers have long knowr that while in general the inaterials which compose the sun and stars are the same as those known on earth, the list of substances and chemical elements becomes shorter and shorter when the is a Deputy in the Italian Parliament and a former chief of staff for Gabriele comes shorter and shorter when the bottest known on earth, the list of substances and chemical elements becomes shorter and shorter when the is a Deputy in the Italian Parliament and a former chief of staff for Gabriele dictatorship in Firme. The fact that he is a Deputy in the Italian Parliament and a former chief of staff for Gabriele dictatorship in Firme. The fact that he is a Deputy in the Italian Parliament as those known on earth, the list of substances and chemical elements becomes shorter and shorter when the universe.

"On the brilliant white or blueish as to Italy's good intentions in handling the Firme office the Committee on Privileges of the Chamber will be forced to declare his seat vacant.

"To determine whether this would provoke the French in coming to would provoke the French in coming to would provoke the French in the litalian flowed in the litalian flowed in the litalian flowed in the li

Tungsten, which is used in the filaments of electric light bulbs, has been definitely and permanently changed into another element, helium, through treatment in temperatures of between 50,000 and 50,000 degrees it was de 50,000 and 60,000 degrees, it was de-clared in a report on experiments con-linto the simple gases, particularly helium.

clared in a report on experiments conducted by Dr. Gerald L. Wendt and C. E. Irlon, working at the University of Chicago.

"It means that the alchemists who tirled to turn the baser metals into gold were right on one point—that the nature of metals could be changed," said Dr. Paul N. Leeph of the Chicago section of the Chemical Society in commenting on the paper. "But, of course, it has nothing to do with the assertions of scalawags that the baser metals can be transmuted into synthetic gold.

"It does, however, actually blast the theory that the atoms of elements, supposed to be absolutely indestructible, cannot be broken up by men. It opens a vast new field to science and may result in many far reaching and important scientific developments. We cannot yet foresee what these developments may be.

"Up until 1895 it was believed that no decomposes into lead. Nature, however, performs that change, and until Dr. Wendt and Mr. Irlon completed their caldum, which is one of about ninety known elements, naturally decomposes into lead. Nature, however, performs that change, and until Dr. Wendt and Mr. Irlon completed their experiments, man had never been able to produce a similar result.

"The heat developed to break down the tungsten atoms and change them into hellum is the greatest ever known—

### New York Assay Office Getting Gold Out of Air

there is a man to be a to

ITALY WILL OPPOSE

Premier Objects to Deputy

Giuriati Retaining It.

Special Cable to THE NEW YORK HERALD.

New York Herald Bureau. )
Rome, March 11. (
Foreign Minister Schanzer intends to

ollow former Foreign Minister Sforza's

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Visit to India . .

MILLINERY SHOP Street Floor

The

WASHINGTON, March 11.—
Getting gold out of the air is being attempted by the Government at the New York Assay Office, according to a statement by Director of the Mint Baker. Tests of a new process are being carried on there, he declared, by which the air, smoke and dust which escape from the molten gold and carry off minute particles of the precious metal can be refined so that none of the gold is lost.

Good progress is being made in

Good progress is being made in the tests, he declared, and it is thought that a considerable saving to the Government will result from the new process, while extension of the method to commercial plants should make possible the utilization of all gold employed in manufac-turing.

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## dicted." Dr. Wendt was born in 1891. He was coucated at Harvard and in Paris. He was for a time engaged by the United States Bureau of Mines to work on radium production in Colorado. He was a captain in the chemical warfare service and since the war has been associate professor of chemistry at the University of Chicago. BANK AGREEMENT

Krassine Says One Is Ready for Relations With Guaranty Trust Company. FIUME DICTATORSHIP

and desires friendly relations with Jugo

tut we are withholding the opening of our bank until political recognition has been accorded the Soviet Government We have also reached an agre with Lloyd's Bank for normal relations with the State Bank."

M. Krassine said Soviet Russia had done little in the way of credit operations, principally because the short terms offered were considered danger-

board of the Guaranty Trust Company.

FRANCE STANDS TO LOSE ON A. E. F. STOCKS

350,000,000 Francs More.

Special Cable to THE NEW YORK HERALD. Copyright, 1922, by THE NEW YORK HERALD stocks left in this country by the Ameri-

Charles H. Sabin, chairman of the can Expeditionary Force, unless repay-

Moscow, March 11.—Leonid Krassine, Commissary for Foreign Trade in the Soviet Government, is quoted in an interview published in the local newspapers as declaring that an agreement had been approached by Russian representatives with the same arrangements with Russian banks for remittances from this country to Russia which we now have operating had been "prepared" with the Guaranty Trust Company of New York for banking relations with the New State Bank of Russia.

"Our most concrete plan," said M. Krassine, "is the organization of our own bank in England. We have reached a preliminary agreement guaranteeins us the support of the Bank of England, New State Bank of Russia.

"Our most concrete plan," said M. Krassine, "is the organization of our own bank in England. We have reached a preliminary agreement guaranteeins us the support of the Bank of England, New State Bank of Russia.

FRANKLIN SIMON

out considering interest, amounts to 4,350,000,000 francs.

4,350,000,000 francs.
Financial experts have calculated that even a gradual improvement in exchange will be no more than sufficient to meet the interest charges, and that when the books are balanced finally it will be found that the only satisfaction France will have had is the employment given the thousands of intermediaries in the transactions and the altruistic assistance rendered to French and some American middlemen in piling up fortunes at the nation's expense.

FRANCE WILL BEGIN NAVY RECONSTRUCTION

Committee, at which Premier Poincare gave the essential details of the of naval reconstruction as soon as the Washington ratification is effected and French Parliament

This program, M. Raiberti declared must not be delayed, as France's capita ships will be useless after 1929, while the majority of smaller cruisers will be virtually so after 1925. He estimated the cost of building light cruisers and scheduled at Washington at mately 785,000,000 francs.



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Ingrain silk in black with black or white clox; white or gray with blackclox: taupe, navy or African with white clox; lisle sole and top 3 pairs 8.75

Silk From Top to Toe Pointed Heel Hose

> Ingrain silk in taupe, silver, gray, African brown, white, black: silk sole and garter top 3 pairs for 8.75 2.95

Pointed Slipper Heel Pure Silk Hose

> Ingrain silk in beige, gray, taupe, cordovan, African, white or black; lisle sole and garter top 3 pairs for 6.65

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